

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/10089

**A. CLASSIFICATION OF SUBJECT MATTER**  
Int.Cl<sup>7</sup> G02B27/10, H01S5/02

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl<sup>7</sup> G02B27/10, G02B27/09, H01S5/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
 Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003  
 Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|-----------|---|-----------------------|
| Y         | JP 11-72743 A (Hamamatsu Photonics Kabushiki Kaisha),<br>16 March, 1999 (16.03.99),<br>Full text; Figs. 1 to 4<br>(Family: none)    | 1-9                   |
| Y         | WO 01/06297 A2 (SILICON LIGHT MACHINES),<br>25 January, 2001 (25.01.01),<br>Full text; Figs. 4, 5<br>& US 6356577 B1                | 1-9                   |
| Y         | JP 7-287189 A (Higashi Nihon Seitetsu Kabushiki Kaisha),<br>31 October, 1995 (31.10.95),<br>Full text; Figs. 3, 5<br>(Family: none) | 1-9                   |

Further documents are listed in the continuation of Box C.  See patent family annex.

|   |  |
|---|--|
| * Special categories of cited documents:<br>"A" document defining the general state of the art which is not considered to be of particular relevance<br>"E" earlier document but published on or after the international filing date<br>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)<br>"O" document referring to an oral disclosure, use, exhibition or other means<br>"P" document published prior to the international filing date but later than the priority date claimed | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention<br>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone<br>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art<br>"&" document member of the same patent family |
|---|--|

Date of the actual completion of the international search  
02 September, 2003 (02.09.03)Date of mailing of the international search report  
16 September, 2003 (16.09.03)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                   | Relevant to claim No. |
|-----------|--|-----------------------|
| A         | DE 19939750 A1 (LASERLINE GESELLSCHAFT)<br>29 March, 2001 (29.03.01),<br>Full text<br>& EP 1081819 A | 1-9                   |